

# (12) UK Patent Application (19) GB (11) 2 315 891 (13) A

(43) Date of A Publication 11.02.1998

(21) Application No 9713190.8

(22) Date of Filing 24.05.1997

(30) Priority Data

(31) 08678924

(32) 12.07.1996

(33) US

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(51) INT CL<sup>6</sup>

G06F 17/30

(52) UK CL (Edition P)

G4A AUBB

(56) Documents Cited

EP 0718784 A1

(58) Field of Search

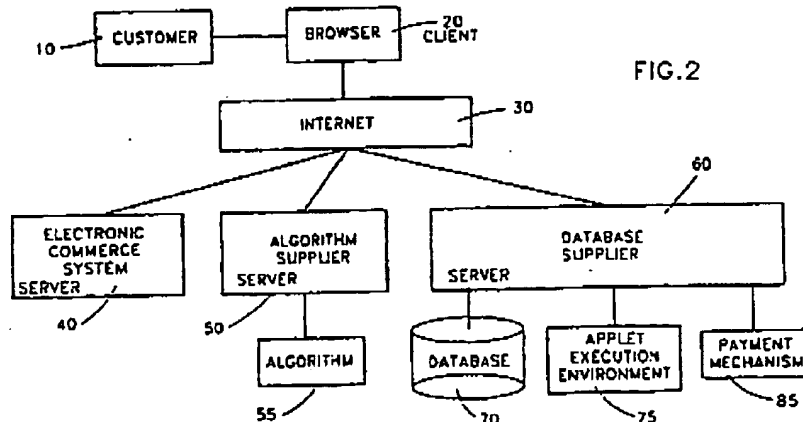
UK CL (Edition O 1) G4A AMP AUBB

INT CL<sup>6</sup> G06F 17/30

ONLINE: WPI, INSPEC, COMPUTER

**(54) Combining data analysis algorithms with databases on the Internet**

(57) An open architecture for arbitrarily combining data analysis algorithms and databases on the Internet where the data analysis algorithm and database may be from different vendors or suppliers. Customer 10 selects an algorithm 55 from an algorithm supplier 50, and a database 70 from a database supplier 60. The data analysis algorithm 55 is securely relocated to the database supplier 60 and run on the appropriate database using an applet execution environment 75, which enables multi threaded processes constrained to communicate only with the selected database application (fig. 5). As the algorithm 55 runs, partial results are transmitted back to the customer 10 and displayed on the browser 20, so that the customer can decide whether to continue running the algorithm. An electronic commerce system 40 such as SET (Secure Electronic Transaction) may be used for charging for the services and content, and a suitable payment mechanism is described (fig. 6).



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